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PVM-8041Q/8044Q

SONY

SERVICE MANUAL

US Model
Canadian Model

PVM-8041Q
Chassis No. SCC-E96A-A
PVM-8044Q
Chassis No. SCC-E96C-A

SUPPLEMENT-1

INTRODUCTION

- B board : The transistor is changed to the pair transistor (Q189).
  The diodes are changed to the three-terminal diodes.
  (D185, D186, D187, D188, D191, D390 and D1382)
- D board : The transistors are changed to the pair transistors.
  (Q569, Q576, Q579 and Q599)
  The diodes are changed to the three-terminal diodes.
  (D520, D521, D848, D1620, D1622 and D1623)
- S board : The pattern is modified.

Note)
Before using the circuit board, confirm that the parts number shown below and the parts number of the circuit board which is being used in your set are the same.

Board (Complete No.)	Board Part. No.
B (A-1135-700-A)	1-641-716-15
D (A-1346-018-A)	1-641-717-16
S (A-1394-343-A)	1-641-719-15

MICROFILM

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

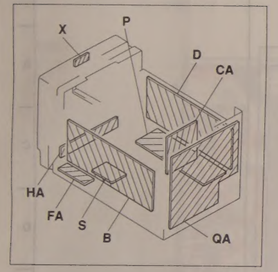
AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1
DIAGRAMS

1-1. CIRCUITS BOARDS LOCATION



Part replaced (◪)	Adjustment (⊟)
IC801, IC851, PH802, C855, R853, R855, R856, R857, RV851	RV851 (B+ MAX)
Q1601, Q1602, Q1603, D1601, D1603, D1622, D1623, C1601, C1602, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1628, R1629, R1630, RV1601, RV1603	RV1603 (B+ MAX IN DC POWER INPUT MODE)
IC502, Q833, Q834, Q835, Q836, D835, D836, C519, C843, C844, C845, C846, C847, C848, RV833, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863, NL801	R833 (HOLD-DOWN)

- All voltages are in V.
- Voltage are dc with respect to groundunless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a PAL color-bar signal input.
- [ ] : adjustment fir repair.
- Voltage variations may be noted due to normal production tolerance.
- ▬▬ : B + bus.
- ▬ ▬ : B − bus.
- ▷▷▷ : signal path.
- No mark: with PAL color-bar signal received or common voltage.
- ( ) : with SECAM color-bar signal received.
- < > : with NTSC 3.58 color-bar signal received.
- (( )) : with NTSC 4.43 color-bar signal received.
- [ ] : with S (Y/C) color-bar signal received.
- { } : with analog RGB color-bar signal received.
- ≪ ≫ : with component color-bar signal received.
- ※ : measurement impossibility

1-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power ¼ W

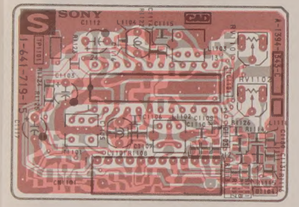
- All resistors are in ohms.
- ▭ : nonflammable resistor.
- ▭ : fusible resistor.
- △ : internal component.
- ▭ : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⊟ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⊟ and repeat the adjustment until the specified value is achieved.
- When replacing the part in below table be sure to perform the related adjustment.

Reference information

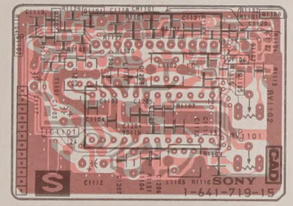
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

S [SECAM DEMODULATION]

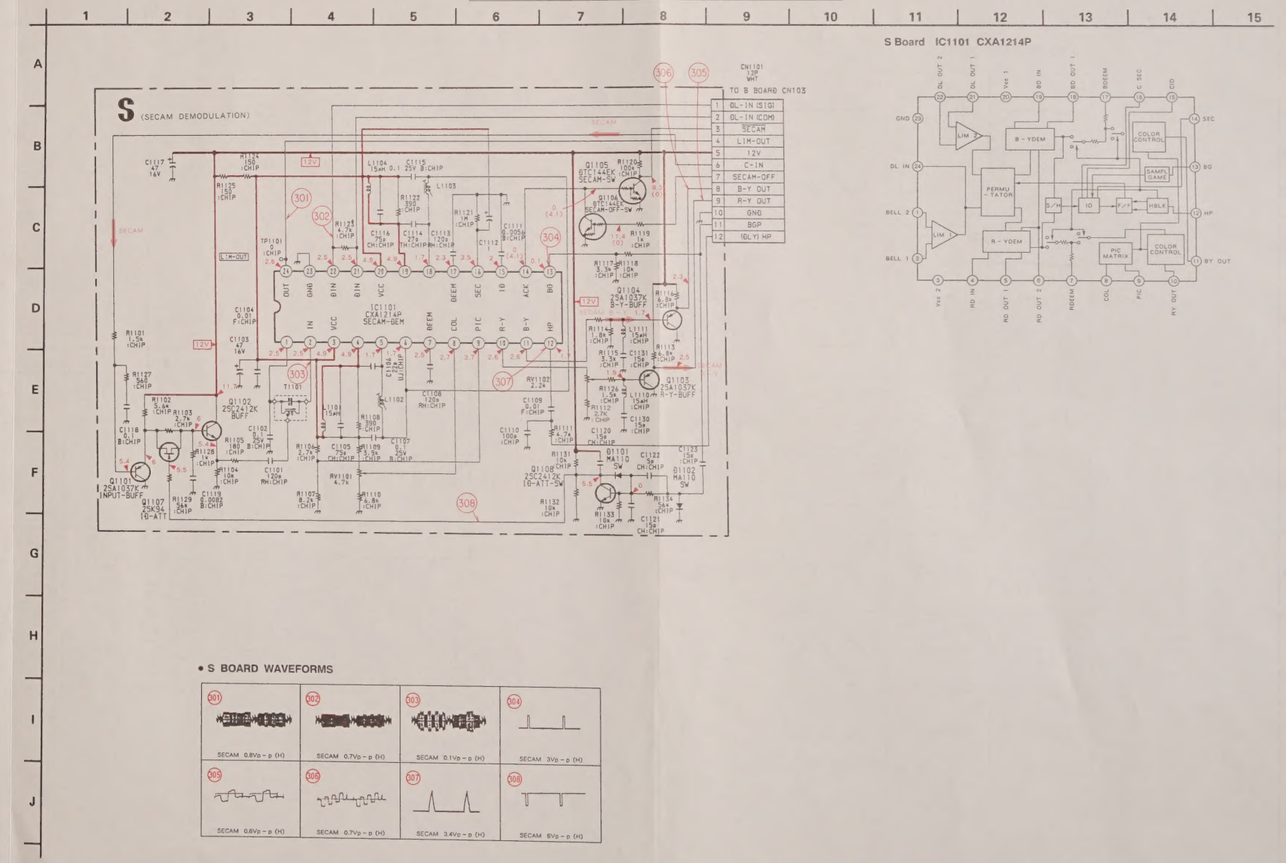
– S Board – – Component Side –



– S Board – – Conductor Side –



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



• S BOARD WAVEFORMS

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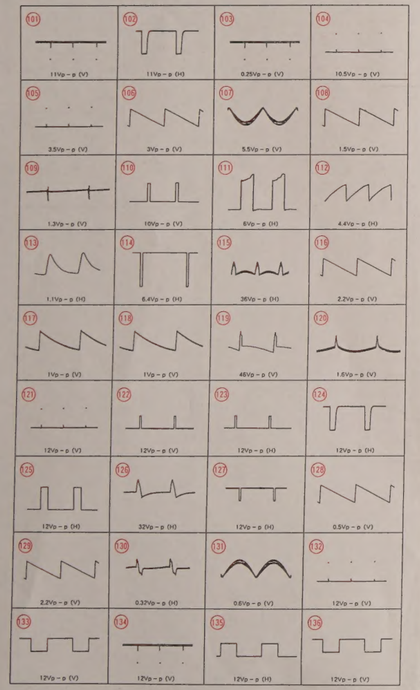
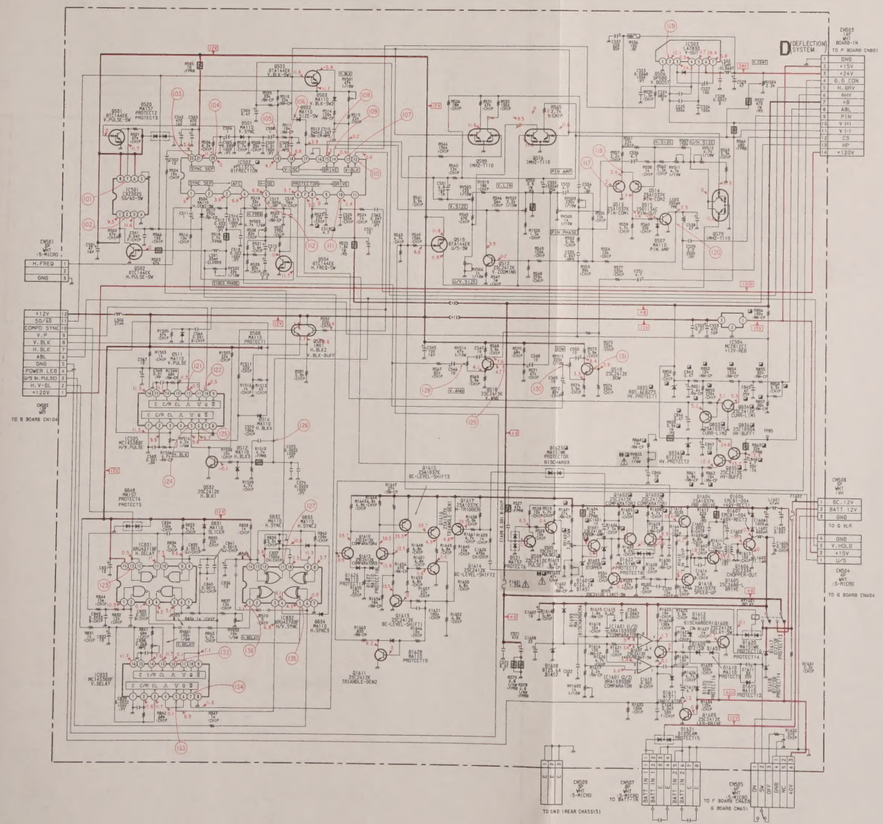
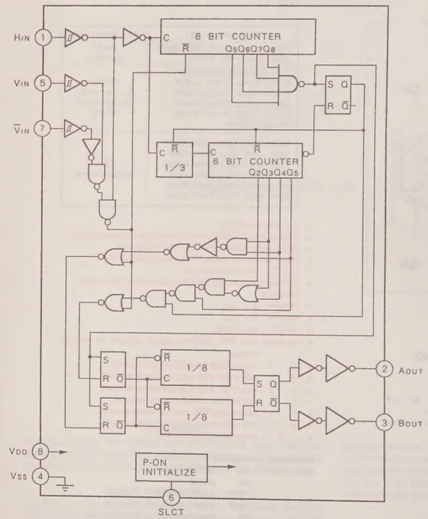
• D BOARD WAVEFORMS

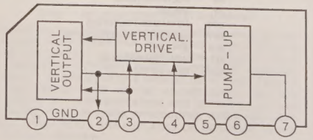




D BOARD IC501 CX23025

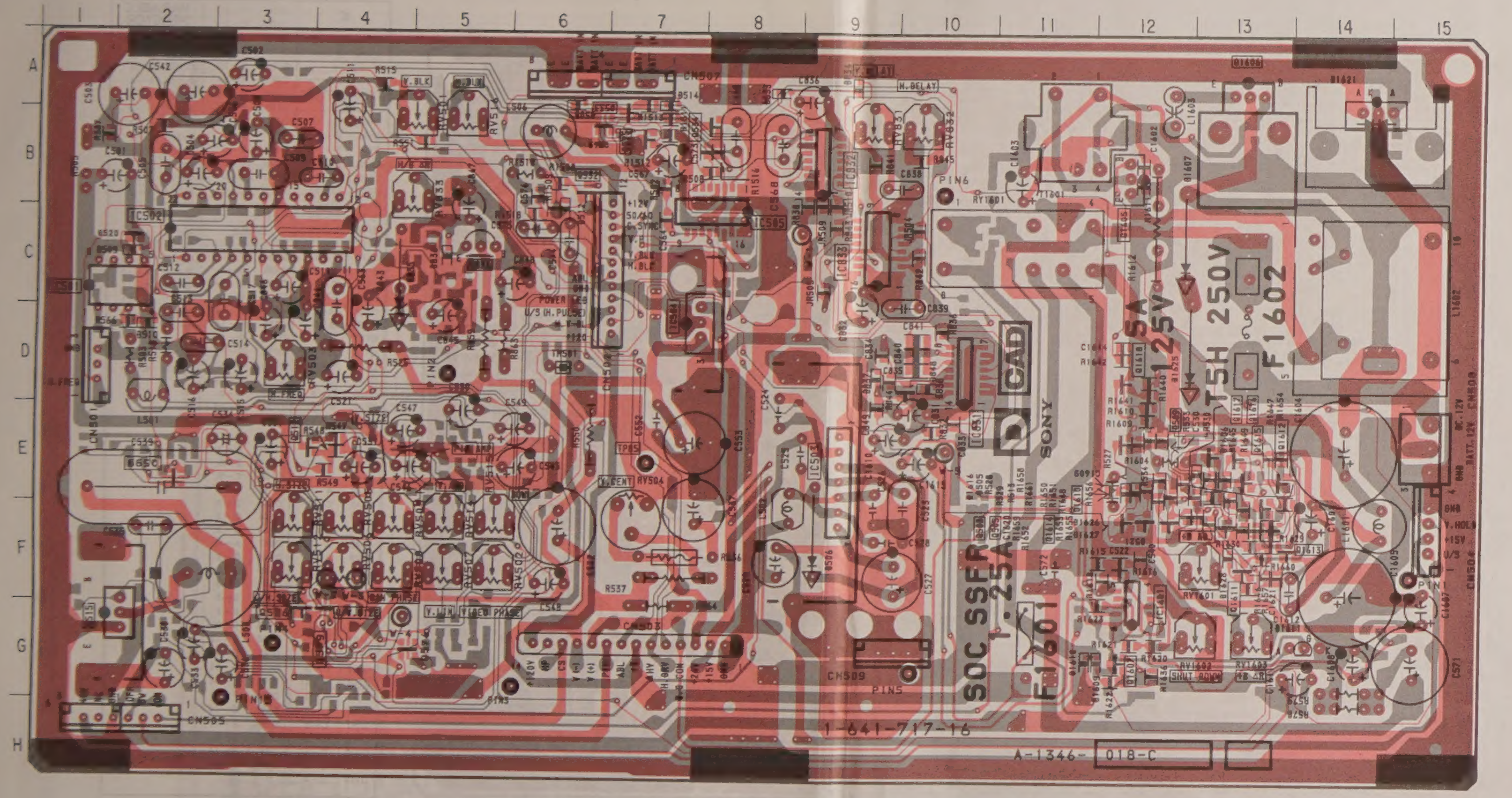


D BOARD IC503 LA7830



D [DEFLECTION SYSTEM]

– D Board – – Component Side –



D Board (Component Side)

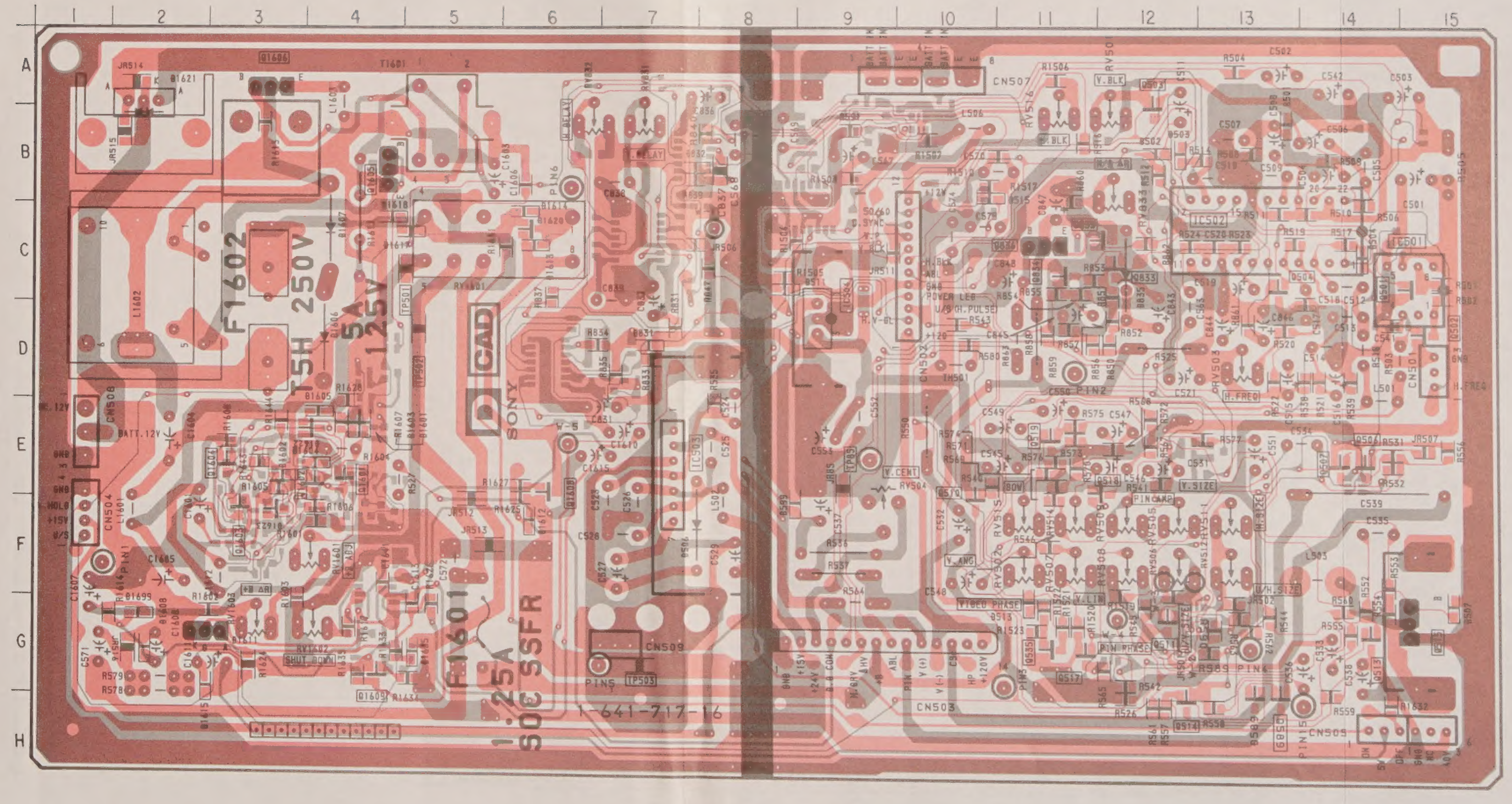
IC	
IC505	C – 8
IC831	D – 10
IC832	B – 9
IC833	C – 9
IC1601	F – 12

TRANSISTOR	
Q505	F – 12
Q508	F – 12
Q509	E – 12
Q512	E – 4
Q532	B – 6
Q576	G – 5
Q579	G – 4
Q599	E – 2
Q1607	G – 12
Q1610	E – 13
Q1611	F – 13
Q1612	E – 13
Q1613	F – 13
Q1614	F – 13
Q1615	E – 13
Q1616	E – 13
Q1617	E – 13
Q1618	D – 12

DIODE	
D508	A – 6
D512	C – 6
D514	A – 7
D520	C – 2
D521	F – 12
D833	A – 8
D834	A – 9
D836	C – 5
D848	D – 10
D1609	G – 12
D1610	G – 10
D1626	F – 13
D1627	F – 13
D1628	F – 13

• : Pattern from the side which enables seeing.
• : Pattern of the rear side.

– D Board – – Conductor Side –



D Board (Conductor Side)

IC	
IC501	C – 15
IC502	C – 13
IC503	E – 7
IC504	D – 9

TRANSISTOR	
Q501	C – 15
Q502	D – 15
Q503	A – 12
Q504	C – 13
Q510	E – 10
Q513	G – 14
Q515	G – 15
Q518	E – 12
Q519	E – 11
Q569	B – 6
Q589	G – 13
Q833	C – 12
Q834	C – 11
Q835	C – 11
Q836	C – 11
Q1601	E – 4
Q1602	E – 4
Q1603	F – 3
Q1604	E – 3
Q1605	B – 4
Q1606	A – 3
Q1608	E – 6
Q1609	G – 4

DIODE	
D501	B – 13
D502	B – 12
D503	B – 12
D504	C – 14
D506	F – 7
D507	G – 15
D511	C – 8
D589	G – 13
D831	D – 7
D832	B – 7
D835	C – 12
D1601	E – 4
D1603	E – 4
D1606	D – 4
D1607	C – 4
D1608	G – 2
D1611	G – 3
D1612	F – 6
D1615	G – 2
D1617	C – 4
D1618	C – 4
D1620	C – 6
D1622	E – 4
D1623	F – 3
D1635	G – 5
D1699	G – 2

VARIABLE RESISTOR	
RV501	B – 12
RV502	F – 11
RV503	D – 13
RV504	E – 9
RV505	F – 12
RV506	F – 12
RV507	F – 11
RV508	F – 12
RV509	F – 12
RV511	F – 13
RV512	F – 13
RV514	F – 11
RV515	F – 11
RV516	B – 11
RV831	B – 7
RV832	B – 6
RV833	B – 12
RV1601	F – 4
RV1602	G – 4
RV1603	G – 3

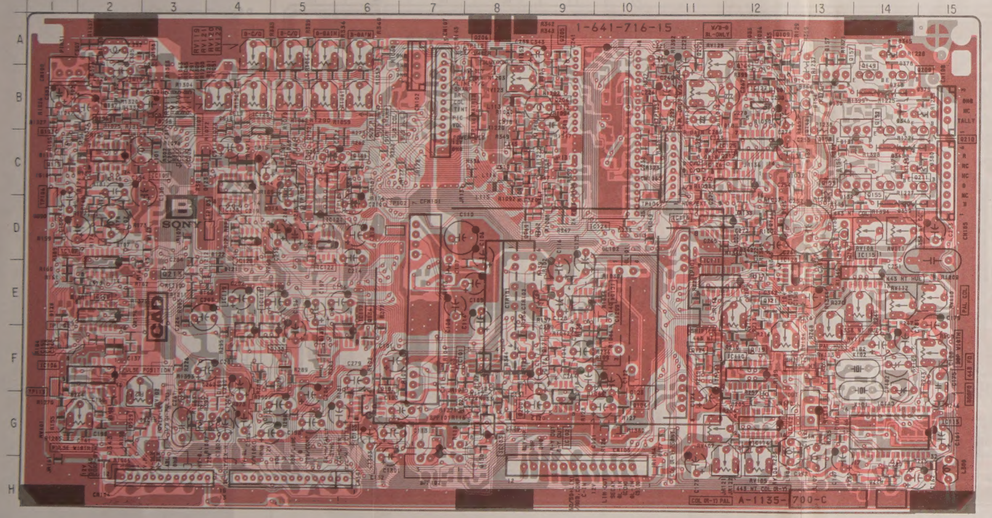
• : Pattern from the side which enables seeing.
• : Pattern of the rear side.

PVM-8041Q/8044Q PVM-8041Q/8044Q

PVM-8041Q/8044Q PVM-8041Q/8044Q

B [SIGNAL PROCESS]

– B Board – – Component Side –

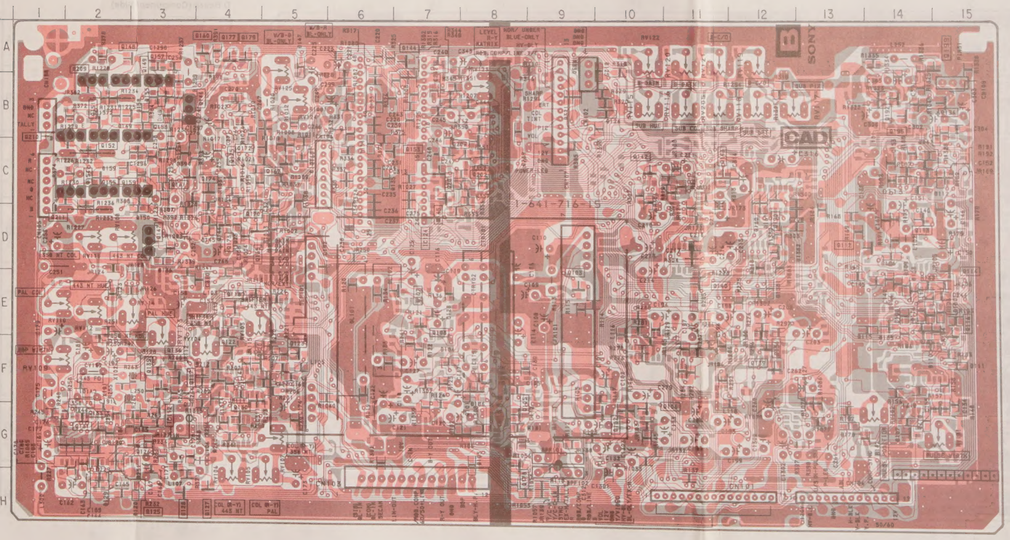


• : Pattern from the side which enables seeing.
• : Pattern of the rear side.

B Board (Component Side)

IC			
IC102	G – 9		
IC103	G – 8		
IC104	E – 9		
IC105	G – 6		
IC106	F – 2		
IC107	E – 2		
IC108	E – 2		
IC109	C – 7		
IC110	F – 12		
IC111	E – 11		
IC113	G – 14		
IC114	G – 12		
IC115	E – 14		
IC116	D – 11		
IC117	F – 6		
IC118	F – 5		
IC119	F – 4		
IC120	C – 4		
IC121	D – 5		
IC122	D – 5		
IC123	D – 4		
IC125	C – 12		
IC126	C – 12		
IC127	C – 12		
IC128	E – 13		
IC129	B – 4		
TRANSISTOR			
Q101	F – 6		
Q104	G – 10		
Q109	A – 12		
Q115	C – 7		
Q119	F – 12		
Q121	B – 12		
Q124	F – 11		
Q129	G – 3		
Q132	C – 5		
Q136	F – 6		
Q137	F – 5		
Q138	F – 5		
Q141	C – 6		
Q150	G – 8		
Q164	B – 12		
Q166	D – 12		
Q171	F – 9		
Q176	F – 8		
Q189	G – 4		
Q191	B – 2		
Q193	B – 1		
Q196	B – 2		
Q197	D – 2		
Q198	A – 3		
Q200	F – 6		
Q204	B – 9		
Q205	A – 9		
Q206	A – 8		
Q208	B – 3		
Q212	C – 11		
Q299	A – 11		
DIODE			
D107	D – 2		
D121	E – 4		
D122	E – 4		
D123	C – 4		
D128	E – 1		
D130	B – 13		
D131	C – 14		
D132	D – 14		
D137	G – 11		
D138	B – 13		
D139	C – 13		
D146	D – 12		
D151	C – 5		
D152	B – 4		
D153	B – 4		
D154	B – 13		
D156	C – 13		
D157	A – 13		
D162	B – 11		
D188	C – 9		
D191	C – 1		
D342	D – 12		
D343	H – 2		
D344	F – 6		
D345	A – 14		
D346	B – 14		
D347	C – 14		
D348	B – 14		
D349	C – 14		
D350	D – 14		
D390	D – 1		
D393	G – 3		

– B Board – – Conductor Side –



• : Pattern from the side which enables seeing.
• : Pattern of the rear side.

B Board (Conductor Side)

IC			
IC112	G – 3		
IC124	C – 7		
TRANSISTOR			
Q102	G – 10		
Q103	E – 9		
Q106	E – 10		
Q107	E – 7		
Q108	F – 7		
Q112	D – 14		
Q113	D – 14		
Q114	D – 15		
Q116	E – 15		
Q117	F – 15		
Q118	E – 4		
Q120	F – 4		
Q122	F – 4		
Q123	F – 5		
Q125	H – 2		
Q126	G – 3		
Q127	H – 4		
Q128	H – 3		
Q130	G – 4		
Q131	G – 2		
Q133	G – 3		
Q134	F – 3		
Q135	F – 3		
Q139	F – 12		
Q140	E – 11		
Q142	C – 10		
Q143	C – 11		
Q144	A – 7		
Q145	C – 7		
Q146	B – 3		
Q147	D – 3		
Q148	A – 2		
Q149	B – 2		
Q151	B – 2		
Q152	B – 2		
Q153	C – 7		
Q154	C – 2		
Q155	C – 2		
Q157	B – 3		
Q158	B – 3		
Q159	C – 3		
Q160	A – 4		
Q161	C – 3		
Q165	D – 4		
Q167	C – 5		
Q168	C – 5		
Q170	C – 4		
Q172	C – 4		
Q173	D – 4		
Q174	C – 4		
Q175	C – 4		
Q177	A – 4		
Q178	A – 4		
Q190	C – 12		
Q192	B – 14		
Q194	B – 15		
Q195	B – 14		
Q199	A – 15		
Q201	C – 7		
Q202	C – 8		
Q203	C – 8		
Q210	B – 2		
Q211	C – 2		
DIODE			
D104	F – 7		
D105	G – 8		
D106	D – 14		
D108	E – 14		
D109	E – 14		
D110	F – 14		
D111	F – 15		
D112	C – 15		
D113	C – 14		
D117	E – 14		
D120	H – 3		
D125	A – 10		
D126	B – 10		
D127	F – 13		
D129	H – 2		
D133	B – 6		
D134	C – 6		
D135	C – 6		
D136	D – 3		
D144	D – 4		
D145	D – 4		
D147	A – 5		
D148	B – 3		
D149	B – 2		
D150	D – 3		
D155	B – 3		
D158	B – 3		
D159	C – 2		
D160	D – 12		
D161	D – 12		
D170	G – 13		
D185	E – 14		
D186	F – 8		
D187	G – 14		
D285	E – 11		
D289	B – 8		
D341	B – 14		
D1382	D – 12		

VARIABLE RESISTOR	
RV101	G – 15
RV102	G – 14
RV103	E – 4
RV104	F – 4
RV105	H – 5
RV106	H – 4
RV107	G – 5
RV108	D – 2
RV109	F – 1
RV110	E – 1
RV111	D – 2
RV112	E – 2
RV113	F – 3
RV114	E – 3
RV115	A – 10
RV116	B – 11
RV118	B – 12
RV119	A – 12
RV120	A – 11
RV121	A – 11
RV122	A – 10
RV123	B – 8
RV124	B – 5
RV125	A – 5
RV205	B – 11

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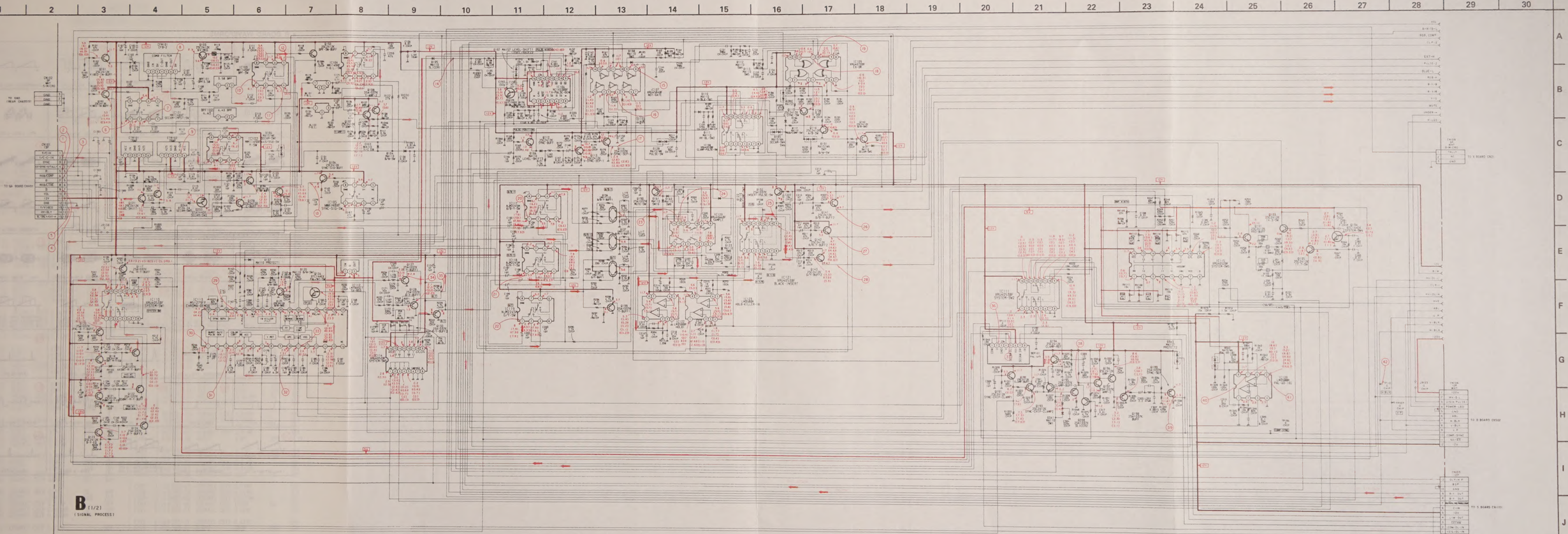
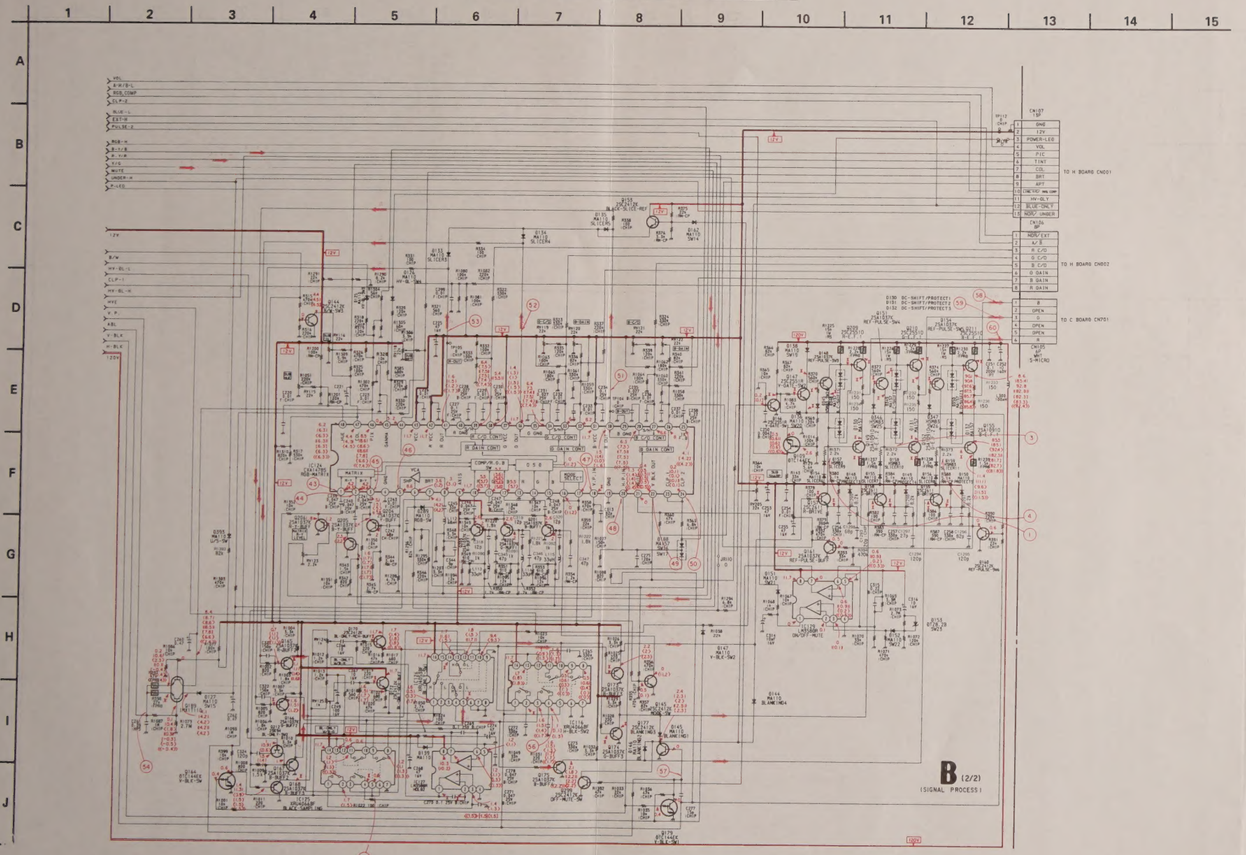


B (1/2)
(SIGNAL PROCESS)



PVM-8041Q/8044Q PVM-8041Q/8044Q

— B Board —

X

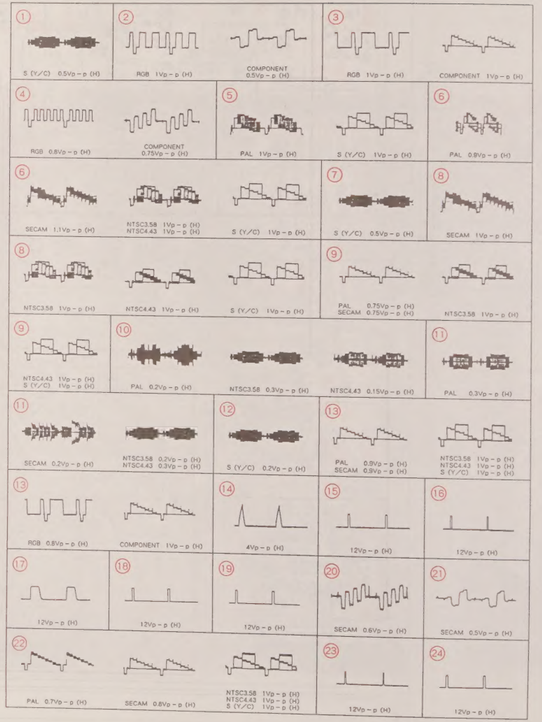
< TRANSISTOR >

		PAL	SECAM	NTSC 3.58	NTSC 4.43	B (Y/C)	ANALOG RGB	COMPO-NENT
Q113	E	0.5	0.5	0.4	0.4	0.5	0.5	0.5
	B	1.0	1.0	0.9	0.9	0.9	0.9	1.0
Q115	E	11.2	9.3	0.0	10.8	0.0	0.0	0.0
	B	2.8	2.2	0.1	2.4	0.1	0.1	0.0
Q118	E	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q119	B	0.1	0.0	1.7	1.7	1.7	1.7	1.7
Q121	E	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q122	B	0.6	0.0	1.7	1.7	1.7	1.7	1.7
Q130	E	4.3	4.3	4.4	4.4	4.5	4.4	4.4
	B	3.7	3.7	3.8	3.8	3.9	3.8	3.8
Q132	E	2.3	2.3	2.4	2.3	2.4	2.4	2.4
	C	1.8	1.7	1.7	1.7	1.7	1.8	1.8
	B	2.7	2.8	2.8	2.7	2.8	2.7	2.8
Q148	C	118.7	114.4	110.4	113.2	113.7	114.3	114.1
Q147	E	117.9	115.8	111.8	114.5	115.0	115.5	115.4
	C	128.0	123.5	120.3	123.4	123.8	124.6	124.4
	B	119.8	119.5	110.5	118.4	118.2	114.2	114.2
Q148	C	88.1	84.9	81.2	83.4	82.6	82.5	82.0
	B	94.0	93.3	86.3	92.4	92.1	94.2	90.8
Q149	E	1.8	1.8	1.4	1.7	1.7	1.7	1.7
	C	86.1	84.9	81.2	83.4	82.7	82.5	82.5
Q151	E	90.7	91.4	88.0	87.8	87.0	86.5	86.4
	C	89.2	89.8	86.5	86.4	85.3	84.9	84.7
	B	92.1	92.7	100.2	89.5	92.4	90.5	89.9
Q152	E	86.1	86.0	82.8	82.8	82.9	82.8	82.7
	C	10.8	10.5	8.7	10.9	10.9	10.9	11.0
Q154	B	82.5	82.9	80.8	80.1	88.7	80.4	80.2
Q155	B	88.3	88.5	85.7	85.7	83.9	84.8	83.9
Q157	E	82.4	81.1	87.5	79.9	79.8	80.8	79.4
	B	84.0	84.8	91.2	84.4	82.7	82.5	82.1
Q158	E	1.8	1.5	1.3	1.8	1.8	1.7	1.7
	B	2.1	2.0	1.8	2.1	2.2	2.2	2.2
Q159	E	1.8	1.8	1.3	1.8	1.7	1.7	1.7
	B	2.2	2.1	1.5	2.1	2.2	2.2	2.2
Q163	E	0.2	0.8	2.7	0.5	-0.5	-0.7	-0.6
Q166	B	0.9	0.9	0.6	1.0	1.0	1.0	1.0
Q168	C	2.1	2.0	1.8	2.1	2.2	2.1	2.2
Q170	B	84.0	84.8	91.2	84.4	82.7	82.5	82.1
Q172	B	2.2	2.1	1.9	2.2	2.3	2.2	2.3
Q173	B	1.7	1.8	1.4	1.7	1.7	1.7	1.7
Q174	E	2.1	2.0	1.8	2.1	2.2	2.2	2.2
	B	1.8	1.5	1.3	1.8	1.8	1.7	1.7
Q178	B	8.2	8.3	8.2	8.3	8.1	8.2	8.2
Q206	E	83.4	81.5	87.9	80.3	80.4	80.4	79.8
	C	115.9	113.2	110.7	113.2	113.8	114.5	114.2
	B	87.8	86.4	92.8	85.0	84.3	84.2	83.8
Q210	E	86.5	86.3	93.1	83.0	83.3	83.0	82.8
	C	116.5	114.2	111.5	113.9	114.5	115.1	114.8
Q211	C	115.9	113.8	111.7	113.3	113.8	114.5	114.3

< IC >

		PAL	SECAM	NTSC 3.58	NTSC 4.43	S (Y/C)	ANALOG RGB	COMPO-NENT
IC102	②	8.8	8.8	0.0	8.8	0.0	0.0	0.0
IC106	①	0.2	0.1	0.1	0.1	0.1	0.1	0.2
	⑦	1.8	1.7	1.7	1.7	1.7	1.8	1.8
IC107	②	10.7	10.7	10.8	10.8	10.6	10.8	10.8
	⑤	1.2	10.7	0.0	0.0	0.0	0.0	0.0
IC108	⑤	9.7	0.4	9.7	9.8	9.6	1.1	9.8
IC109	②	11.3	11.3	0.0	10.8	0.0	0.0	0.0
	③	11.3	11.4	0.0	11.3	0.0	0.0	0.0
	④	11.7	0.0	0.0	11.7	0.0	0.0	0.0
	⑤	11.0	11.1	0.0	11.0	0.0	0.0	0.0
IC110	①	2.1	2.2	2.5	2.5	2.5	2.5	2.5
	⑥	11.3	11.3	0.0	11.3	0.0	0.0	0.0
	⑦	11.3	11.3	0.0	0.0	0.0	0.0	0.0
	⑧	0.8	0.8	2.5	2.5	2.5	2.5	2.5
	⑨	1.7	1.7	2.5	2.8	2.5	2.5	2.5
IC113	④	2.7	1.1	2.8	2.8	2.8	1.1	1.1
	⑦	4.2	4.3	4.2	4.3	4.3	4.8	4.8
	⑧	3.0	2.9	2.8	3.0	2.8	2.9	2.9
	⑨	2.2	2.5	2.8	2.2	1.9	2.8	2.8
IC114	⑩	11.4	11.3	0.0	0.0	0.0	0.0	0.0
	⑪	3.7	3.7	3.8	3.8	3.8	3.9	3.9
IC115	⑤	1.2	1.1	0.8	0.7	0.7	0.8	0.8
	⑥	3.5	3.5	3.4	2.8	3.4	3.4	3.4
IC118	⑦	0.9	0.0	1.0	1.1	1.1	1.3	1.1
IC120	⑤	5.5	5.6	5.6	5.8	5.6	5.6	5.6
	⑥	5.5	5.8	5.8	5.8	5.6	5.0	5.6
IC121	⑤	5.3	5.3	5.4	5.2	5.2	5.1	5.1
	⑥	5.8	5.7	5.8	5.8	5.7	5.7	5.7
	⑦	5.8	5.7	5.6	5.6	5.7	5.7	5.6
IC122	⑤	5.3	5.3	5.4	5.2	5.2	5.1	5.1
	⑥	5.3	5.3	5.4	5.2	5.2	5.1	5.1
IC124	⑧	0.1	0.1	0.2	0.2	0.2	0.2	0.2
IC125	⑧	1.4	1.4	1.3	1.4	1.5	1.5	1.5
IC126	⑤	1.8	1.5	1.3	1.8	1.6	1.7	1.8
	⑥	1.5	1.5	1.3	1.5	1.5	1.5	1.5
	⑧	1.7	1.6	1.4	1.7	1.7	1.6	1.7
IC127	①	3.0	2.9	2.8	3.0	3.1	3.0	3.0
	⑥	1.4	1.4	1.3	1.5	1.5	1.5	1.5
	⑦	2.1	2.7	2.4	2.8	2.8	2.8	2.8

• B BOARD WAVEFORMS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COMPONENT 1Vp-p (H)
④ RGB 0.8Vp-p (H)
⑤ COMPONENT 0.75Vp-p (H)
PAL 1Vp-p (H)
S (Y/C) 1Vp-p (H)
⑥ PAL 0.9Vp-p (H)
⑦ SECAM 1.1Vp-p (H)
NTSC3.58 1Vp-p (H) NTSC4.43 1Vp-p (H)
S (Y/C) 1Vp-p (H)
⑧ S (Y/C) 0.5Vp-p (H)
SECAM 1Vp-p (H)
⑨ NTSC3.58 1Vp-p (H)
NTSC4.43 1Vp-p (H)
S (Y/C) 1Vp-p (H)
PAL 0.75Vp-p (H) SECAM 0.75Vp-p (H)
NTSC3.58 1Vp-p (H)
⑩ NTSC4.43 1Vp-p (H) S (Y/C) 1Vp-p (H)
PAL 0.2Vp-p (H)
NTSC3.58 0.3Vp-p (H)
NTSC4.43 0.15Vp-p (H)
⑪ PAL 0.3Vp-p (H)
⑫ SECAM 0.2Vp-p (H)
NTSC3.58 0.2Vp-p (H) NTSC4.43 0.3Vp-p (H)
S (Y/C) 0.2Vp-p (H)
⑬ PAL 0.9Vp-p (H) SECAM 0.9Vp-p (H)
NTSC3.58 1Vp-p (H) NTSC4.43 1Vp-p (H) S (Y/C) 1Vp-p (H)
⑭ RGB 0.8Vp-p (H)
COMPONENT 1Vp-p (H)
4Vp-p (H)
⑮ 12Vp-p (H)
⑯ 12Vp-p (H)
⑰ 12Vp-p (H)
⑱ 12Vp-p (H)
⑲ 12Vp-p (H)
⑳ SECAM 0.6Vp-p (H)
㉑ SECAM 0.5Vp-p (H)
㉒ PAL 0.7Vp-p (H)
SECAM 0.8Vp-p (H)
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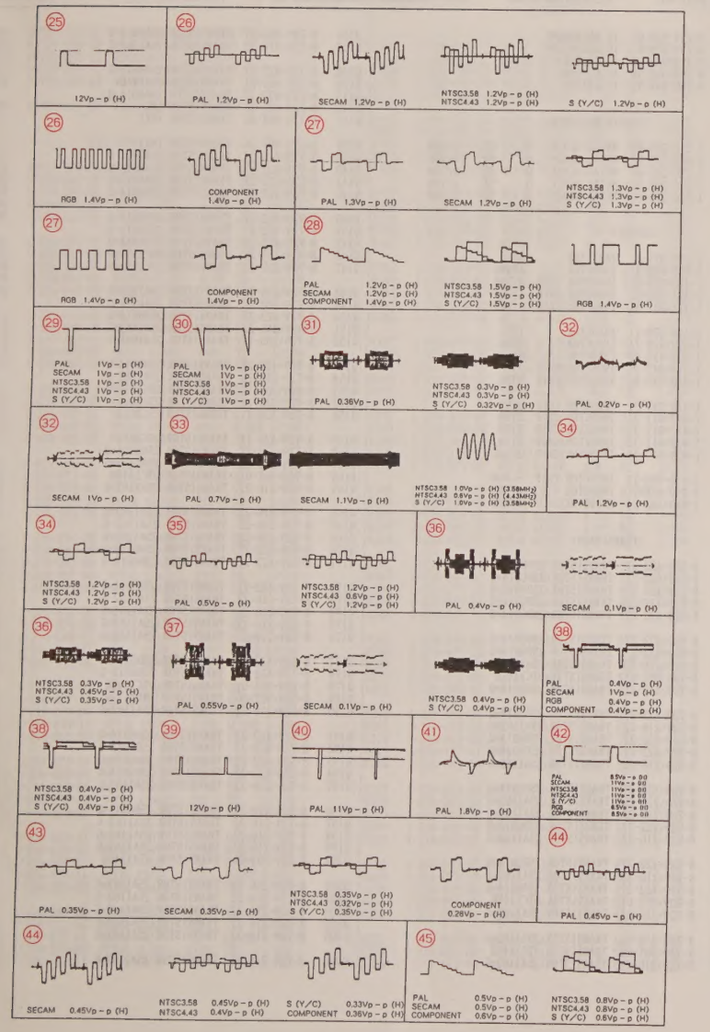
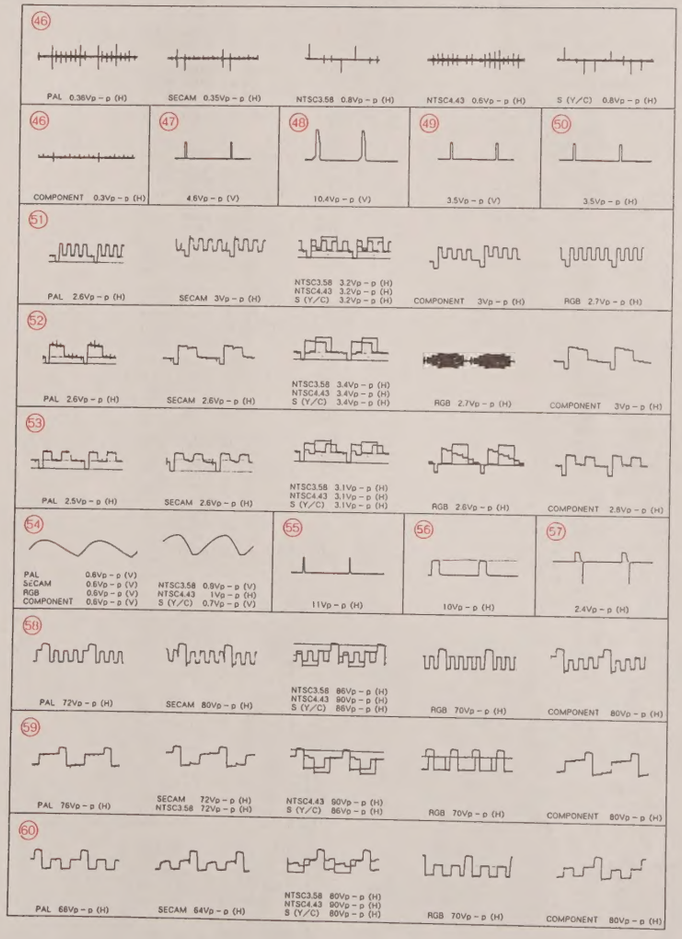
㉔ 12Vp-p (H)





PVM-8041Q/8044Q

SECTION 2
ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
- MF : μF, PF : μμF

COILS
- MMH : mH, UH : μH

- The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION			REMARK
	A-1135-700-A	B BOARD, COMPLETE			
		**********			
		<FILTER>			
BPF101	1-236-363-11	FILTER, BAND PASS			
BPF102	1-236-364-11	FILTER, BAND PASS			
		<CAPACITOR>			
C101	1-124-589-11	ELECT	47MF	16V	
C102	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C103	1-126-157-11	ELECT	10MF	16V	
C104	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C105	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C106	1-124-477-11	ELECT	47MF	16V	
C107	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C108	1-124-477-11	ELECT	47MF	16V	
C109	1-124-477-11	ELECT	47MF	16V	
C110	1-124-120-11	ELECT	220MF	16V	
C111	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C112	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C113	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C114	1-124-477-11	ELECT	47MF	16V	
C115	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C116	1-124-589-11	ELECT	47MF	16V	
C117	1-126-154-11	ELECT	47MF	6.3V	
C118	1-126-154-11	ELECT	47MF	6.3V	
C119	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C120	1-126-154-11	ELECT	47MF	6.3V	
C121	1-126-154-11	ELECT	47MF	6.3V	
C122	1-124-477-11	ELECT	47MF	16V	
C123	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C124	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C125	1-126-154-11	ELECT	47MF	6.3V	
C126	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C127	1-126-154-11	ELECT	47MF	6.3V	
C128	1-126-154-11	ELECT	47MF	6.3V	
C129	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C130	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C131	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C132	1-124-589-11	ELECT	47MF	16V	
C133	1-124-589-11	ELECT	47MF	16V	
C134	1-163-275-11	CERAMIC CHIP	0.001MF	50V	
C135	1-163-113-00	CERAMIC CHIP	68PF	50V	
C137	1-163-115-00	CERAMIC CHIP	82PF	50V	
C138	1-124-589-11	ELECT	47MF	16V	
C139	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C140	1-163-205-00	CERAMIC CHIP	0.001MF	50V	
C141	1-163-141-00	CERAMIC CHIP	0.001MF	50V	
C142	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C143	1-163-121-00	CERAMIC CHIP	150PF	50V	
C144	1-163-101-00	CERAMIC CHIP	22PF	50V	
C145	1-163-131-00	CERAMIC CHIP	390PF	50V	
C146	1-126-157-11	ELECT	10MF	16V	
C147	1-164-232-11	CERAMIC CHIP	0.01MF	50V	
C148	1-126-160-11	ELECT	1MF	50V	
C149	1-163-022-00	CERAMIC CHIP	0.012MF	50V	
C150	1-124-589-11	ELECT	47MF	16V	
C151	1-163-131-00	CERAMIC CHIP	390PF	50V	
C152	1-163-101-00	CERAMIC CHIP	22PF	50V	
C153	1-163-125-00	CERAMIC CHIP	220PF	50V	
C154	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C155	1-163-133-00	CERAMIC CHIP	470PF	50V	
C156	1-164-299-11	CERAMIC CHIP	0.22MF	25V	
C157	1-163-229-11	CERAMIC CHIP	12PF	50V	
C158	1-124-477-11	ELECT	47MF	16V	
C159	1-163-229-11	CERAMIC CHIP	12PF	50V	
C160	1-163-229-11	CERAMIC CHIP	12PF	50V	
C161	1-124-902-00	ELECT	0.47MF	50V	
C162	1-124-903-11	ELECT	1MF	50V	
C163	1-163-809-11	CERAMIC CHIP	0.047MF	25V	
C164	1-163-809-11	CERAMIC CHIP	0.047MF	25V	
C165	1-163-009-11	CERAMIC CHIP	0.001MF	50V	
C166	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C167	1-124-477-11	ELECT	47MF	16V	
C168	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C169	1-163-243-11	CERAMIC CHIP	47PF	50V	
C170	1-163-129-00	CERAMIC CHIP	330PF	50V	
C171	1-163-243-11	CERAMIC CHIP	47PF	50V	
C172	1-163-129-00	CERAMIC CHIP	330PF	50V	
C173	1-124-589-11	ELECT	47MF	16V	
C174	1-124-477-11	ELECT	47MF	16V	
C175	1-108-792-11	MYLAR	0.001MF	50V	
C176	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C177	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C178	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C179	1-126-160-11	ELECT	1MF	50V	
C180	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C181	1-126-154-11	ELECT	47MF	6.3V	
C182	1-126-163-11	ELECT	4.7MF	16V	
C183	1-164-232-11	CERAMIC CHIP	0.01MF	50V	
C184	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C185	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C186	1-163-099-00	CERAMIC CHIP	18PF	50V	
C187	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C188	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C189	1-163-035-00	CERAMIC CHIP	0.047MF	50V	
C190	1-163-121-00	CERAMIC CHIP	150PF	50V	
C191	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C192	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C193	1-124-589-11	ELECT	47MF	16V	

B

REF.NO.	PART NO.	DESCRIPTION	REMARK
C194	1-124-589-11	ELECT 47MF 20% 16V	
C195	1-124-589-11	ELECT 47MF 20% 16V	
C196	1-124-589-11	ELECT 47MF 20% 16V	
C197	1-124-589-11	ELECT 47MF 20% 16V	
C198	1-124-589-11	ELECT 47MF 20% 16V	
C199	1-124-589-11	ELECT 47MF 20% 16V	
C202	1-124-589-11	ELECT 47MF 20% 16V	
C203	1-124-589-11	ELECT 47MF 20% 16V	
C204	1-124-589-11	ELECT 47MF 20% 16V	
C205	1-163-101-00	CERAMIC CHIP 22PF 5% 50V	
C206	1-164-298-11	CERAMIC CHIP 0.15MF 10% 25V	
C207	1-164-298-11	CERAMIC CHIP 0.15MF 10% 25V	
C208	1-163-101-00	CERAMIC CHIP 22PF 5% 50V	
C209	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C210	1-124-589-11	ELECT 47MF 20% 16V	
C211	1-124-589-11	ELECT 47MF 20% 16V	
C212	1-124-589-11	ELECT 47MF 20% 16V	
C213	1-124-589-11	ELECT 47MF 20% 16V	
C214	1-126-157-11	ELECT 10MF 20% 16V	
C215	1-126-157-11	ELECT 10MF 20% 16V	
C216	1-126-157-11	ELECT 10MF 20% 16V	
C217	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C218	1-164-298-11	CERAMIC CHIP 0.15MF 10% 25V	
C219	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C220	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C221	1-124-903-11	ELECT 1MF 20% 50V	
C222	1-163-093-00	CERAMIC CHIP 10PF 5% 50V	
C223	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C225	1-124-477-11	ELECT 47MF 20% 16V	
C226	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C227	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C228	1-163-986-00	CERAMIC CHIP 0.027MF 10% 25V	
C229	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C230	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C231	1-163-986-00	CERAMIC CHIP 0.027MF 10% 25V	
C232	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C233	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C234	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C235	1-163-986-00	CERAMIC CHIP 0.027MF 10% 25V	
C236	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C237	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C238	1-164-299-11	CERAMIC CHIP 0.22MF 10% 25V	
C239	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C240	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C241	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C242	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
C243	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C244	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
C245	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
C246	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C247	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C248	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C249	1-126-101-11	ELECT 100MF 20% 16V	
C250	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
C251	1-110-364-11	MYLAR 0.1MF 10% 200V	
C252	1-123-935-00	ELECT 33MF 20% 160V	
C253	1-124-477-11	ELECT 47MF 20% 16V	
C254	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C255	1-124-477-11	ELECT 47MF 20% 16V	
C256	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C257	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C258	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C259	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C260	1-124-465-00	ELECT 0.47MF 20% 50V	
C261	1-137-193-11	FILM 0.39MF 5% 50V	
C262	1-124-465-00	ELECT 0.47MF 20% 50V	
C264	1-163-123-00	CERAMIC CHIP 180PF 5% 50V	
C265	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C266	1-126-320-11	ELECT 10MF 20% 16V	
C267	1-126-320-11	ELECT 10MF 20% 16V	
C268	1-124-477-11	ELECT 47MF 20% 16V	
C269	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C270	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C271	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C272	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C273	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C274	1-124-477-11	ELECT 47MF 20% 16V	
C275	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
C277	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
C278	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C279	1-126-157-11	ELECT 10MF 20% 16V	
C280	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C281	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C282	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C283	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C299	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C300	1-126-157-11	ELECT 10MF 20% 16V	
C301	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C302	1-124-589-11	ELECT 47MF 20% 16V	
C303	1-126-157-11	ELECT 10MF 20% 16V	
C304	1-163-125-00	CERAMIC CHIP 220PF 5% 50V	
C305	1-124-257-00	ELECT 2.2MF 20% 50V	
C306	1-163-115-00	CERAMIC CHIP 82PF 5% 50V	
C307	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V	
C308	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C309	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C310	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C312	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C313	1-163-115-00	CERAMIC CHIP 82PF 5% 50V	
C314	1-126-157-11	ELECT 10MF 20% 16V	
C315	1-164-299-11	CERAMIC CHIP 0.22MF 10% 25V	
C316	1-126-157-11	ELECT 10MF 20% 16V	
C317	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C318	1-163-095-00	CERAMIC CHIP 12PF 5% 50V	
C319	1-163-095-00	CERAMIC CHIP 12PF 5% 50V	
C320	1-163-095-00	CERAMIC CHIP 12PF 5% 50V	
C321	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C322	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C324	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
C340	1-163-205-00	CERAMIC CHIP 0.001MF 5% 50V	
C344	1-163-092-00	CERAMIC CHIP 9PF 0.25PF 50V	
C345	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C346	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C347	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C1293	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
C1294	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
C1295	1-163-119-00	CERAMIC CHIP 120PF 5% 50V	
C1296	1-163-115-00	CERAMIC CHIP 82PF 5% 50V	
C1297	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
C1298	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
C1299	1-163-093-00	CERAMIC CHIP 10PF 5% 50V	
C1300	1-126-160-11	ELECT 1MF 20% 50V	
C1301	1-126-160-11	ELECT 1MF 20% 50V	
C1302	1-126-160-11	ELECT 1MF 20% 50V	
C1303	1-126-160-11	ELECT 1MF 20% 50V	

<FILTER BLOCK>

REF.NO.	PART NO.	DESCRIPTION	REMARK
CFM101	1-464-880-11	FILTER BLOCK, COM (CFB-2)	

<CONNECTOR>

CN101	1-506-480-11	PIN, CONNECTOR 15P	
CN102	*1-564-506-11	PLUG, CONNECTOR 3P	
CN103	*1-565-503-11	CONNECTOR, BOARD TO BOARD 12P	
CN104	1-506-477-11	PIN, CONNECTOR 12P	
CN105	*1-564-509-11	PLUG, CONNECTOR 6P	
CN106	1-506-473-11	PIN, CONNECTOR 8P	
CN107	1-506-478-11	PIN, CONNECTOR 13P	
CN108	*1-564-506-11	PLUG, CONNECTOR 3P	

<TRAP MODULE>

CTR101	1-236-366-11	MODULE, TRAP	
CTR102	1-236-365-11	MODULE, TRAP	

<TRIMMER>

CV101	1-141-418-11	CAP, ADJ	
CV102	1-141-418-11	CAP, ADJ	

<DIODE>

D103	8-719-404-46	DIODE MA110	
D104	8-719-404-46	DIODE MA110	
D105	8-719-404-46	DIODE MA110	
D106	8-719-404-46	DIODE MA110	
D107	8-719-404-46	DIODE MA110	
D108	8-719-404-46	DIODE MA110	
D109	8-719-404-46	DIODE MA110	
D110	8-719-404-46	DIODE MA110	
D111	8-719-404-46	DIODE MA110	
D112	8-719-404-46	DIODE MA110	
D113	8-719-404-46	DIODE MA110	
D117	8-719-404-46	DIODE MA110	
D120	8-719-404-46	DIODE MA110	
D121	8-719-404-46	DIODE MA110	
D122	8-719-404-46	DIODE MA110	
D123	8-719-404-46	DIODE MA110	
D125	8-719-404-46	DIODE MA110	
D126	8-719-404-46	DIODE MA110	
D127	8-719-404-46	DIODE MA110	
D128	8-719-400-18	DIODE MA152WK	
D129	8-719-404-46	DIODE MA110	
D130	8-719-800-76	DIODE 1SS226	
D131	8-719-800-76	DIODE 1SS226	
D132	8-719-800-76	DIODE 1SS226	
D133	8-719-404-46	DIODE MA110	
D134	8-719-404-46	DIODE MA110	
D135	8-719-404-46	DIODE MA110	
D136	8-719-404-46	DIODE MA110	
D137	8-719-404-46	DIODE MA110	
D138	8-719-404-46	DIODE MA110	
D139	8-719-404-46	DIODE MA110	
D144	8-719-404-46	DIODE MA110	
D145	8-719-404-46	DIODE MA110	
D146	8-719-404-46	DIODE MA110	
D147	8-719-404-46	DIODE MA110	
D148	8-719-404-46	DIODE MA110	
D149	8-719-404-46	DIODE MA110	
D150	8-719-404-46	DIODE MA110	
D151	8-719-404-46	DIODE MA110	
D152	8-719-404-46	DIODE MA110	
D153	8-719-977-20	DIODE DTZ8.2B	
D154	8-719-404-46	DIODE MA110	
D155	8-719-404-46	DIODE MA110	
D156	8-719-404-46	DIODE MA110	
D157	8-719-901-83	DIODE 1SS83	
D158	8-719-901-83	DIODE 1SS83	
D159	8-719-901-83	DIODE 1SS83	
D160	8-719-404-46	DIODE MA110	
D161	8-719-404-46	DIODE MA110	
D162	8-719-404-46	DIODE MA110	
D170	8-719-404-46	DIODE MA110	
D185	8-719-104-34	DIODE 1S2836	
D186	8-719-400-18	DIODE MA152WK	
D187	8-719-800-76	DIODE 1SS226	
D188	8-719-800-76	DIODE 1SS226	
D191	8-719-104-34	DIODE 1S2836	
D285	8-719-404-46	DIODE MA110	
D289	8-719-404-46	DIODE MA110	
D341	8-719-404-46	DIODE MA110	
D342	8-719-104-34	DIODE 1S2836	
D343	8-719-800-76	DIODE 1SS226	
D344	8-719-105-XX	DIODE RD6.2M-B1	
D345	8-719-901-83	DIODE 1SS83	
D346	8-719-901-83	DIODE 1SS83	
D347	8-719-901-83	DIODE 1SS83	
D348	8-719-800-76	DIODE 1SS226	
D349	8-719-800-76	DIODE 1SS226	
D350	8-719-800-76	DIODE 1SS226	
D390	8-719-800-76	DIODE 1SS226	
D393	8-719-404-46	DIODE MA110	

<DELAY LINE>

DL101	1-415-632-11	DELAY LINE, Y	
DL102	1-415-633-11	DELAY LINE, Y	

<IC>

IC101	8-759-048-09	IC MM1148XF	
IC102	8-759-501-21	IC MM1149XF	
IC103	8-759-501-21	IC MM1149XF	
IC104	8-759-501-21	IC MM1149XF	
IC105	8-759-048-09	IC MM1148XF	
IC106	8-759-009-51	IC MC14538BF	
IC107	8-759-509-57	IC XRU4584BF	
IC108	8-759-509-17	IC XRU4053BF	
IC109	8-759-509-37	IC XRU4070BF	
IC110	8-759-509-17	IC XRU4053BF	
IC111	8-759-509-17	IC XRU4053BF	
IC112	8-759-924-12	IC LM7805CT	
IC113	8-759-631-08	IC M51279FP	
IC114	8-759-509-13	IC XRU4052BF	
IC115	8-759-509-13	IC XRU4052BF	
IC116	8-759-509-05	IC XRU4066BF	
IC117	8-759-711-32	IC NJM2245M	
IC118	8-759-711-32	IC NJM2245M	
IC119	8-759-711-32	IC NJM2245M	
IC120	8-759-509-05	IC XRU4066BF	
IC121	8-759-509-17	IC XRU4053BF	
IC122	8-759-998-98	IC LM358D	
IC123	8-759-998-98	IC LM358D	
IC124	8-752-052-62	IC CXA1478S	

PVM-8041Q/8044Q

B

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC125	8-759-509-05	IC XRU4066BF	
IC126	8-759-509-17	IC XRU4053BF	
IC127	8-759-998-98	IC LM358D	
IC128	8-759-998-98	IC LM358D	
IC129	8-759-998-98	IC LM358D	

<JUMPER RESISTOR>

JR105	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR110	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR133	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR138	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JR178	1-216-295-00	METAL GLAZE 0 5% 1/10W	

<COIL>

L101	1-410-470-11	INDUCTOR 10UH	
L102	1-410-090-41	INDUCTOR 18MMH	
L103	1-412-002-31	INDUCTOR CHIP 4.7UH	
L104	1-412-002-31	INDUCTOR CHIP 4.7UH	
L105	1-412-002-31	INDUCTOR CHIP 4.7UH	
L106	1-410-470-11	INDUCTOR 10UH	
L107	1-410-470-11	INDUCTOR 10UH	
L112	1-408-419-00	INDUCTOR 68UH	
L113	1-410-947-31	INDUCTOR CHIP 33UH	
L114	1-410-947-31	INDUCTOR CHIP 33UH	
L115	1-410-947-31	INDUCTOR CHIP 33UH	
L116	1-412-011-31	INDUCTOR CHIP 27UH	
L117	1-412-011-31	INDUCTOR CHIP 27UH	
L118	1-412-011-31	INDUCTOR CHIP 27UH	
L250	1-410-997-31	INDUCTOR CHIP 2.2UH	
L251	1-410-999-11	INDUCTOR CHIP 3.3UH	
L252	1-410-478-11	INDUCTOR 47UH	
L300	1-410-482-31	INDUCTOR 100UH	

<TRANSISTOR>

Q101	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q102	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q103	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q104	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q105	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q106	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q107	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q108	8-729-216-22	TRANSISTOR 2SA1162-G	
Q109	8-729-901-01	TRANSISTOR DTC144EK	
Q112	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q113	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q114	8-729-216-22	TRANSISTOR 2SA1162-G	
Q115	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q116	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q117	8-729-216-22	TRANSISTOR 2SA1162-G	
Q118	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q119	8-729-216-22	TRANSISTOR 2SA1162-G	
Q120	8-729-216-22	TRANSISTOR 2SA1162-G	
Q121	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q122	8-729-216-22	TRANSISTOR 2SA1162-G	
Q123	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q124	8-729-216-22	TRANSISTOR 2SA1162-G	
Q125	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q126	8-729-901-01	TRANSISTOR DTC144EK	
Q127	8-729-216-22	TRANSISTOR 2SA1162-G	
Q128	8-729-216-22	TRANSISTOR 2SA1162-G	
Q129	8-729-901-01	TRANSISTOR DTC144EK	
Q130	8-729-216-22	TRANSISTOR 2SA1162-G	
Q131	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q132	8-729-216-22	TRANSISTOR 2SA1162-G	
Q133	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q134	8-729-901-01	TRANSISTOR DTC144EK	
Q135	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q136	8-729-907-26	TRANSISTOR IMX1	
Q137	8-729-907-26	TRANSISTOR IMX1	
Q138	8-729-907-26	TRANSISTOR IMX1	
Q139	8-729-216-22	TRANSISTOR 2SA1162-G	
Q140	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q141	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q142	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q143	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q144	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q145	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q146	8-729-255-12	TRANSISTOR 2SC2551-O	
Q147	8-729-255-12	TRANSISTOR 2SC2551-O	
Q148	8-729-216-22	TRANSISTOR 2SA1162-G	
Q149	8-729-200-17	TRANSISTOR 2SA1091-O	
Q150	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q151	8-729-216-22	TRANSISTOR 2SA1162-G	
Q152	8-729-200-17	TRANSISTOR 2SA1091-O	
Q153	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q154	8-729-216-22	TRANSISTOR 2SA1162-G	
Q155	8-729-200-17	TRANSISTOR 2SA1091-O	
Q157	8-729-326-11	TRANSISTOR 2SC2611	
Q158	8-729-326-11	TRANSISTOR 2SC2611	
Q159	8-729-326-11	TRANSISTOR 2SC2611	
Q160	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q161	8-729-216-22	TRANSISTOR 2SA1162-G	
Q164	8-729-901-01	TRANSISTOR DTC144EK	
Q165	8-729-216-22	TRANSISTOR 2SA1162-G	
Q166	8-729-216-22	TRANSISTOR 2SA1162-G	
Q167	8-729-216-22	TRANSISTOR 2SA1162-G	
Q168	8-729-216-22	TRANSISTOR 2SA1162-G	
Q170	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q171	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q172	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q173	8-729-216-22	TRANSISTOR 2SA1162-G	
Q174	8-729-216-22	TRANSISTOR 2SA1162-G	
Q175	8-729-216-22	TRANSISTOR 2SA1162-G	
Q176	8-729-216-22	TRANSISTOR 2SA1162-G	
Q177	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q178	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q179	8-729-901-01	TRANSISTOR DTC144EK	
Q189	8-729-907-26	TRANSISTOR IMX1	
Q190	8-729-216-22	TRANSISTOR 2SA1162-G	
Q191	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q192	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q193	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q194	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q195	8-729-216-22	TRANSISTOR 2SA1162-G	
Q196	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q197	8-729-216-22	TRANSISTOR 2SA1162-G	
Q198	8-729-216-22	TRANSISTOR 2SA1162-G	
Q199	8-729-216-22	TRANSISTOR 2SA1162-G	
Q200	8-729-901-06	TRANSISTOR DTA144EK	
Q201	8-729-216-22	TRANSISTOR 2SA1162-G	
Q202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q203	8-729-216-22	TRANSISTOR 2SA1162-G	
Q204	8-729-216-22	TRANSISTOR 2SA1162-G	
Q205	8-729-216-22	TRANSISTOR 2SA1162-G	
Q206	8-729-216-22	TRANSISTOR 2SA1162-G	

REF.NO.	PART NO.	DESCRIPTION				REMARK
Q208	8-729-216-22	TRANSISTOR 2SA1162-G				
Q209	8-729-255-12	TRANSISTOR 2SC2551-O				
Q210	8-729-255-12	TRANSISTOR 2SC2551-O				
Q211	8-729-255-12	TRANSISTOR 2SC2551-O				
Q212	8-729-109-44	TRANSISTOR 2SK94				
Q299	8-729-422-27	TRANSISTOR 2SD601A-Q				
		<RESISTOR>				
R101	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R102	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R103	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R104	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R105	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R106	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R107	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R108	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R109	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R110	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R111	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R112	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R113	1-249-401-11	CARBON	47	5%	1/4W	F
R114	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R115	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R117	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R118	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R119	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R120	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R121	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R122	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R123	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R124	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R125	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R126	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R127	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R128	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R129	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R130	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R131	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R132	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R133	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R134	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R135	1-216-645-11	METAL CHIP	560	0.50%	1/10W	
R136	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R137	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R138	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R139	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R140	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R141	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R142	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R143	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R145	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R146	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R147	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R148	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R155	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R157	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R158	1-216-677-11	METAL CHIP	12K	0.50%	1/10W	
R160	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R161	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R163	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R164	1-216-677-11	METAL CHIP	12K	0.50%	1/10W	
R165	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R166	1-216-681-11	METAL CHIP	18K	0.50%	1/10W	
R167	1-216-635-11	METAL CHIP	220	0.50%	1/10W	
R168	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R169	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R170	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R171	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R172	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R173	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R174	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R175	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R176	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R177	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R178	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R179	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R180	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R181	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R182	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R183	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	
R184	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	
R185	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R186	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R187	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R188	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R189	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R190	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R191	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R192	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R193	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R194	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R195	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R196	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R197	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R198	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R199	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R200	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R201	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R202	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R203	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R204	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R205	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R206	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R207	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R208	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R209	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R210	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R211	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R212	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R213	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R214	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R215	1-216-127-11	METAL GLAZE	1.8M	5%	1/10W	
R216	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R217	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R218	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R219	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R220	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R221	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R222	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R223	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R224	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R225	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R226	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R227	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R228	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R229	1-216-113-00	METAL GLAZE	470K	5%	1/10W	

B

REF.NO.	PART NO.	DESCRIPTION				REMARK
R230	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R231	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R232	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R233	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R234	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R235	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R236	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R237	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R238	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R239	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R240	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R241	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R242	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R243	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R244	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R245	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	
R246	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R247	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R248	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R249	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R250	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R251	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R252	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R253	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R254	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R255	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R256	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R258	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R259	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R260	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R261	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R262	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R263	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R264	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R265	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R266	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R267	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R268	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R269	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R270	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R271	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R272	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R273	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R275	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R276	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R277	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R278	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R280	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R281	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R282	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R283	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R284	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R286	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R287	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R288	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R289	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R290	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R292	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R293	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R295	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R296	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R297	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R298	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R300	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R301	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R302	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R303	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R304	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R305	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R306	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R307	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R308	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R309	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R310	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R311	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R312	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R313	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R314	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R315	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R316	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R317	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R318	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R319	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R320	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R321	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R322	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R323	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R324	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R325	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R326	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R328	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R329	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R330	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R331	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R332	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R333	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R334	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R335	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R336	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R337	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R338	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R339	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R340	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R341	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R342	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R343	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R344	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W	
R345	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W	
R346	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R348	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R349	1-216-650-11	METAL CHIP	910	0.50%	1/10W	
R350	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R351	1-216-650-11	METAL CHIP	910	0.50%	1/10W	
R352	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R353	1-216-650-11	METAL CHIP	910	0.50%	1/10W	
R354	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W	
R355	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R356	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R357	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R358	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R359	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R360	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R363	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R364	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R365	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R366	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R367	1-216-244-00	METAL GLAZE	82K	5%	1/8W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R368	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R369	1-216-248-00	METAL GLAZE	120K	5%	1/8W	
R370	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R371	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R372	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R374	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R375	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R376	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R378	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R379	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R380	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W	
R381	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R382	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R383	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R384	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W	
R385	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R386	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R387	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R388	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W	
R389	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R390	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R391	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R392	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R393	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R394	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R397	1-249-437-11	CARBON	47K	5%	1/4W	F
R398	1-249-434-11	CARBON	27K	5%	1/4W	F
R399	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1001	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1002	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1003	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1004	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1005	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1006	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1007	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1008	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1009	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R1010	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1011	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1012	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R1013	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R1014	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R1015	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1016	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1017	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R1018	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R1019	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1020	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1021	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R1022	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R1023	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1024	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R1025	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1026	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1027	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R1028	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1029	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1030	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1031	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1032	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1033	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R1035	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1036	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1038	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R1040	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R1042	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1043	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1044	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1045	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W	
R1046	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R1047	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1048	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1049	1-216-085 00	METAL GLAZE	33K	5%	1/10W	
R1050	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R1051	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R1053	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R1054	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R1055	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1056	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R1057	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1058	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1059	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1060	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1061	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1062	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R1063	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R1064	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R1065	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R1066	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1067	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1068	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1069	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R1070	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R1071	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R1072	1-216-099 00	METAL GLAZE	120K	5%	1/10W	
R1073	1-216-131-11	METAL GLAZE	2.7M	5%	1/10W	
R1075	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1076	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R1077	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R1079	1-216-131-11	METAL GLAZE	2.7M	5%	1/10W	
R1080	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1081	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1082	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R1083	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1084	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R1086	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1087	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R1088	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1090	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1091	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1092	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1093	1-216-121 00	METAL GLAZE	1M	5%	1/10W	
R1094	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R1095	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R1096	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R1200	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	
R1201	1-218-754-11	METAL CHIP	120K	0.50%	1/10W	
R1207	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1208	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1220	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1221	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1222	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1223	1-216 689-11	METAL GLAZE	39K	5%	1/10W	
R1225	1 215-876-00	METAL OXIDE	15K	5%	1W	F
R1226	1-215-876 00	METAL OXIDE	15K	5%	1W	F
R1227	1-215-876-00	METAL OXIDE	15K	5%	1W	F
R1228	1-249-421-11	CARBON	2.2K	5%	1/4W	F

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R1229	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1230	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R1231	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1232	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1233	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1234	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1235	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1236	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1237	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R1238	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R1239	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R1270	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R1271	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1280	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1290	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1291	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R1294	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R1295	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1296	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R1297	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1298	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1299	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1300	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1301	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1302	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R1303	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R1304	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R1305	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R1306	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R1307	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R1308	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R1309	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R1310	1-216-119-00	METAL GLAZE	820K	5%	1/10W	
R1313	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R1314	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R1315	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R1320	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R1321	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R1322	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R1323	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1324	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R1325	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R1326	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1327	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R1328	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R1329	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R1330	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R1331	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R1332	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1333	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1334	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1335	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R1336	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1337	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R1338	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1339	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1340	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1341	1-216-111-00	METAL GLAZE	390K	5%	1/10W	
R1342	1-216-694-11	METAL CHIP	62K	0.50%	1/10W	
R1343	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R1344	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1345	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1346	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R1347	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1348	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1349	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1350	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1351	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1352	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1353	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R1371	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1372	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1373	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1392	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1393	1-216-095-00	METAL GLAZE	82K	5%	1/10W	

<VARIABLE RESISTOR>

RV101	1-241-763-11	RES, ADJ, CERMET	4.7K		
RV102	1-241-763-11	RES, ADJ, CERMET	4.7K		
RV103	1-238-009-11	RES, ADJ, CARBON	220		
RV104	1-238-009-11	RES, ADJ, CARBON	220		
RV105	1-241-627-11	RES, ADJ, CARBON	1K		
RV106	1-241-627-11	RES, ADJ, CARBON	1K		
RV107	1-241-627-11	RES, ADJ, CARBON	1K		
RV108	1-241-630-11	RES, ADJ, CARBON	10K		
RV109	1-241-765-11	RES, ADJ, CERMET	22K		
RV110	1-241-630-11	RES, ADJ, CARBON	10K		
RV111	1-241-630-11	RES, ADJ, CARBON	10K		
RV112	1-238-019-11	RES, ADJ, CARBON	47K		
RV113	1-238-019-11	RES, ADJ, CARBON	47K		
RV114	1-238-019-11	RES, ADJ, CARBON	47K		
RV115	1-241-631-11	RES, ADJ, CARBON	22K		
RV116	1-241-631-11	RES, ADJ, CARBON	22K		
RV118	1-241-631-11	RES, ADJ, CARBON	22K		
RV119	1-241-631-11	RES, ADJ, CARBON	22K		
RV120	1-241-631-11	RES, ADJ, CARBON	22K		
RV121	1-241-631-11	RES, ADJ, CARBON	22K		
RV122	1-241-631-11	RES, ADJ, CARBON	22K		
RV123	1-241-628-11	RES, ADJ, CARBON	2.2K		
RV124	1-241-627-11	RES, ADJ, CARBON	1K		
RV125	1-241-627-11	RES, ADJ, CARBON	1K		
RV205	1-241-631-11	RES, ADJ, CARBON	22K		

<MODULE>

SEP101	1-808-654-11	MODULE	

<CRYSTAL>

X101	1-527-722-00	OSCILLATOR, CRYSTAL	
X102	1-577-259-11	VIBRATOR, CRYSTAL	

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	A-1346-018-A	D BOARD, COMPLETE	
		**********	
	1-533-189-11	HOLDER, FUSE	
	*3-738-015-01	COVER, (DIA. 6) CARBON VR	
	4-382-854-01	SCREW (M3X8), P, SW (+)	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

<CAPACITOR>

C501	1-124-477-11	ELECT	47MF	20%	16V
C502	1-124-907-11	ELECT	10MF	20%	50V
C503	1-126-103-11	ELECT	470MF	20%	16V
C504	1-124-902-00	ELECT	0.47MF	20%	50V
C505	1-106-381-12	MYLAR	0.039MF	10%	100V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C506	1-124-903-11	ELECT	1MF	20%	50V
C507	1-106-367-00	MYLAR	0.01MF	10%	100V
C508	1-124-903-11	ELECT	1MF	20%	50V
C509	1-136-173-00	FILM	0.47MF	5%	50V
C510	1-136-161-00	FILM	0.047MF	5%	50V
C511	1-124-903-11	ELECT	1MF	20%	50V
C512	1-106-375-12	MYLAR	0.022MF	10%	100V
C513	1-106-375-12	MYLAR	0.022MF	10%	100V
C514	1-106-371-00	MYLAR	0.015MF	10%	100V
C515	1-124-925-11	ELECT	2.2MF	20%	50V
C516	1-124-925-11	ELECT	2.2MF	20%	50V
C517	1-130-480-00	FILM	0.0056MF	5%	50V
C518	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C519	1-124-927-11	ELECT	4.7MF	20%	50V
C520	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C521	1-124-907-11	ELECT	10MF	20%	50V
C523	1-106-363-00	MYLAR	0.0068MF	10%	100V
C524	1-102-116-00	CERAMIC	680PF	10%	50V
C525	1-102-820-00	CERAMIC	330PF	5%	50V
C526	1-102-973-00	CERAMIC	100PF	5%	50V
C527	1-124-122-11	ELECT	100MF	20%	50V
C528	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C529	1-124-910-11	ELECT	47MF	20%	50V
C530	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C531	1-131-370-00	TANTALUM	6.8MF	10%	16V
C532	1-124-557-11	ELECT	1000MF	20%	25V
C533	1-124-927-11	ELECT	4.7MF	20%	50V
C534	1-124-768-11	ELECT	4.7MF	20%	50V
C535	1-136-161-00	FILM	0.047MF	5%	50V
C536	1-124-927-11	ELECT	4.7MF	20%	50V
C537	1-124-484-11	ELECT	220MF	20%	35V
C538	1-124-910-11	ELECT	47MF	20%	50V
C539	1-136-113-00	FILM	2MF	5%	200V
C540	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C541	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C542	1-126-103-11	ELECT	470MF	20%	16V
C545	1-126-101-11	ELECT	100MF	20%	16V
C546	1-124-907-11	ELECT	10MF	20%	50V
C547	1-124-907-11	ELECT	10MF	20%	50V
C548	1-124-907-11	ELECT	10MF	20%	50V
C549	1-124-907-11	ELECT	10MF	20%	50V
C550	1-124-907-11	ELECT	10MF	20%	50V
C551	1-124-927-11	ELECT	4.7MF	20%	50V
C552	1-101-004-00	CERAMIC	0.01MF		50V
C553	1-126-103-11	ELECT	470MF	20%	16V
C563	1-106-383-00	MYLAR	0.047MF	10%	100V
C564	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C567	1-124-907-11	ELECT	10MF	20%	50V
C568	1-130-736-11	FILM	0.01MF	5%	50V
C569	1-130-471-00	FILM	0.001MF	5%	50V
C570	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C571	1-124-913-11	ELECT	470MF	20%	50V
C572	1-101-004-00	CERAMIC	0.01MF		50V
C574	1-106-351-00	MYLAR	0.0022MF	10%	100V
C575	1-106-351-00	MYLAR	0.0022MF	10%	100V
C831	1-124-907-11	ELECT	10MF	20%	50V
C832	1-124-907-11	ELECT	10MF	20%	50V
C833	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C834	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C835	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C836	1-124-907-11	ELECT	10MF	20%	50V
C837	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C838	1-136-163-00	FILM	0.068MF	5%	50V
C839	1-106-351-00	MYLAR	0.0022MF	10%	100V
C840	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C841	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C843	1-124-902-00	ELECT	0.47MF	20%	50V
C844	1-124-902-00	ELECT	0.47MF	20%	50V
C845	1-124-477-11	ELECT	47MF	20%	25V
C846	1-124-907-11	ELECT	10MF	20%	50V
C847	1-124-916-11	ELECT	22MF	20%	50V
C848	1-131-351-00	TANTALUM	4.7MF	10%	35V
C849	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C1601	1-124-907-11	ELECT	10MF	20%	50V
C1602	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1603	1-104-348-11	ELECT	15MF	20%	50V
C1604	1-128-500-51	ELECT	1000MF	20%	50V
C1605	1-124-922-11	ELECT	1000MF	20%	50V
C1606	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1607	1-124-907-11	ELECT	10MF	20%	50V
C1608	1-124-916-11	ELECT	22MF	20%	50V
C1609	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1610	1-124-927-11	ELECT	4.7MF	20%	50V
C1611	1-124-482-11	ELECT	33MF	20%	35V
C1612	1-136-257-00	FILM	0.0039MF	5%	50V
C1613	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1614	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1615	1-124-465-00	ELECT	0.47MF	20%	50V
C1620	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1621	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1641	1-163-035-00	CERAMIC CHIP	0.047MF		50V

<CONNECTOR>

CN501	*1-564-506-11	PLUG, CONNECTOR 3P
CN502	1-506-477-11	PIN, CONNECTOR 12P
CN504	*1-564-507-11	PLUG, CONNECTOR 4P
CN505	*1-564-509-11	PLUG, CONNECTOR 6P
CN507	*1-564-511-11	PLUG, CONNECTOR 8P
CN508	*1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P
CN509	*1-564-506-11	PLUG, CONNECTOR 3P

<DIODE>

D501	8-719-404-46	DIODE MA110
D502	8-719-404-46	DIODE MA110
D503	8-719-404-46	DIODE MA110
D504	8-719-404-46	DIODE MA110
D506	8-719-908-03	DIODE GP08D
D507	8-719-404-46	DIODE MA110
D508	8-719-404-46	DIODE MA110
D511	8-719-404-46	DIODE MA110
D512	8-719-404-46	DIODE MA110
D514	8-719-404-46	DIODE MA110
D520	8-719-800-76	DIODE 1SS226
D521	8-719-800-76	DIODE 1SS226
D831	8-719-404-46	DIODE MA110
D832	8-719-404-46	DIODE MA110
D833	8-719-404-46	DIODE MA110
D834	8-719-404-46	DIODE MA110
D835	8-719-109-89	DIODE RD5.6ES-B2
D836	8-719-977-69	DIODE DTZ24B
D848	8-719-800-76	DIODE 1SS226
D1601	8-719-105-XX	DIODE RD6.2M-B1
D1603	8-719-977-61	DIODE DTZ20B
D1606	8-719-981-00	DIODE ERC81-004
D1607	8-719-981-00	DIODE ERC81-004

D

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

REF.NO.	PART NO.	DESCRIPTION	REMARK
D1608	8-719-977-02	DIODE DTZ5.6A	
D1609	8-719-977-49	DIODE DTZ15B	
D1610	8-719-404-46	DIODE MA110	
D1611	8-729-101-31	TRANSISTOR N13T1	
D1612	8-719-404-46	DIODE MA110	
D1615	8-719-404-46	DIODE MA110	
D1617	8-719-977-49	DIODE DTZ15B	
D1618	8-719-977-49	DIODE DTZ15B	
D1620	8-719-400-18	DIODE MA152WK	
D1621	8-719-510-12	DIODE D10SC4M	
D1622	8-719-400-18	DIODE MA152WK	
D1623	8-719-400-18	DIODE MA152WK	
D1626	8-719-404-46	DIODE MA110	
D1627	8-719-404-46	DIODE MA110	
D1628	8-719-404-46	DIODE MA110	
D1635	8-719-404-46	DIODE MA110	
D1699	8-719-404-46	DIODE MA110	
		<FUSE>	
F1601⚠	1-532-777-21	FUSE, MICRO (SECONDARY) (1.25A/125V)	
		<IC>	
IC501	8-759-909-70	IC CX23025	
IC502	8-759-100-60	IC UPC1377C	
IC503	8-759-801-98	IC LA7830	
IC504	8-759-701-79	IC MC7812CT	
IC505	8-759-009-51	IC MC14538BF	
IC831	8-759-509-29	IC XRU4011BF	
IC832	8-759-509-37	IC XRU4070BF	
IC833	8-759-009-51	IC MC14538BF	
IC1601	8-759-509-91	IC XRA10393F	
		<JUMPER RESISTOR>	
JR510	1-216-295-00	METAL GLAZE 0 5% 1/10W	
		<COIL>	
L501	1-410-093-11	INDUCTOR 33MMH	
L502	1-410-665-31	INDUCTOR 15UH	
L503	1-424-625-11	COIL, CHOKE (PMC) 390UH	
L506	1-412-530-31	INDUCTOR 27UH	
L1601	1-459-155-00	COIL (WITH CORE) 47UH	
L1602	1-402-785-11	COIL, CHOKE 600UH	
L1603	1-410-397-21	FERRITE BEAD INDUCTOR	
		<TRANSISTOR>	
Q501	8-729-901-01	TRANSISTOR DTC144EK	
Q502	8-729-901-01	TRANSISTOR DTC144EK	
Q503	8-729-901-06	TRANSISTOR DTA144EK	
Q504	8-729-901-01	TRANSISTOR DTC144EK	
Q505	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q508	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q509	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q510	8-729-901-06	TRANSISTOR DTA144EK	
Q512	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q513	8-729-216-22	TRANSISTOR 2SA1162-G	
Q514	8-729-216-22	TRANSISTOR 2SA1162-G	
Q515	8-729-313-42	TRANSISTOR 2SD1134-C	
Q518	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q519	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q532	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q569	8-729-907-26	TRANSISTOR IMX1	
Q576	8-729-920-48	TRANSISTOR IMH2	
Q579	8-729-920-48	TRANSISTOR IMH2	
Q599	8-729-920-48	TRANSISTOR IMH2	
Q833	8-729-216-22	TRANSISTOR 2SA1162-G	
Q834	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q835	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q836	8-729-255-12	TRANSISTOR 2SC2551-O	
Q1601	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1602	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1603	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1604	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1605	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q1606	8-729-133-42	TRANSISTOR 2SC2334-L	
Q1607	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1608	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1609	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1610	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1611	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1612	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1613	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1614	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1615	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1616	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1617	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1618	8-729-216-22	TRANSISTOR 2SA1162-G	
		<RESISTOR>	
R501	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R502	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R503	1-249-437-11	CARBON 47K 5% 1/4W	F
R504	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R505	1-249-393-11	CARBON 10 5% 1/4W	F
R506	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R507	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R508	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R509	1-216-687-11	METAL CHIP 33K 0.50% 1/10W	
R510	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R511	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R512	1-218-761-11	METAL CHIP 240K 0.50% 1/10W	
R513	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R514	1-218-754-11	METAL CHIP 120K 0.50% 1/10W	
R515	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R516	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R517	1-218-762-11	METAL CHIP 270K 0.50% 1/10W	
R518	1-249-422-11	CARBON 2.7K 5% 1/4W	F
R519	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R520	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R521	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R522	1-216-107-00	METAL GLAZE 270K 5% 1/10W	
R523	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R524	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R525	1-216-434-11	METAL OXIDE 1.8K 5% 1W	F
R526	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R527	1-249-437-11	CARBON 47K 5% 1/4W	F
R528	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R529	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R530	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R531	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R532	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R533	1-216-089-00	METAL GLAZE 47K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R534	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R535	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R536	1-212-881-11	FUSIBLE	100	5%	1/4W	F
R537	1-215-867-00	METAL OXIDE	470	5%	1W	F
R538	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R539	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R540	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R541	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R542	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R543	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R544	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R545	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R546	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R547	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R548	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R549	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R550	1-216-356-00	METAL OXIDE	3.9	5%	1W	F
R552	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R553	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R554	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R555	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R557	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R558	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R559	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R560	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R561	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R562	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R563	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R564	1-249-415-11	CARBON	680	5%	1/4W	F
R565	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R566	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R567	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R568	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R569	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R570	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R571	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R572	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R573	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R574	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R575	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R576	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R577	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R578	1-249-457-11	CARBON	6.8	5%	1/4W	F
R579	1-249-457-11	CARBON	6.8	5%	1/4W	F
R589	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R591	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R592	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R831	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R832	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R833	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R834	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R835	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R836	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R837	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R838	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R839	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R840	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R841	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R842	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R843	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R844	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R847	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R850	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R851	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R852	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R853	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R854	1-218-754-11	METAL CHIP	120K	0.50%	1/10W	
R855	1-216-697-11	METAL CHIP	82K	0.50%	1/10W	
R856	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	
R857	1-216-686-11	METAL CHIP	30K	0.50%	1/10W	
R858	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R859	1-216-436-00	METAL OXIDE	3.9K	5%	1W	F
R860	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R861	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R862	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R863	1-249-435-11	CARBON	33K	5%	1/4W	F
R1503	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1504	1-216-695-11	METAL CHIP	68K	0.50%	1/10W	
R1505	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1506	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R1507	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R1508	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1509	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1510	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R1511	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R1512	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1513	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R1519	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R1520	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R1601	1-216-685-11	METAL CHIP	27K	0.50%	1/10W	
R1602	1-216-681-11	METAL CHIP	18K	0.50%	1/10W	
R1603	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R1604	1-249-433-11	CARBON	22K	5%	1/4W	F
R1605	1-216-070-00	METAL GLAZE	7.5K	5%	1/10W	
R1606	1-216-070-00	METAL GLAZE	7.5K	5%	1/10W	
R1607	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R1608	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1609	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R1610	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1611	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1612	1-215-913-11	METAL OXIDE	220	5%	3W	F
R1613	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R1614	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R1615	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R1616	1-216-629-11	METAL CHIP	120	0.50%	1/10W	
R1617	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R1618	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1620	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1621	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1622	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1623	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1624	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R1625	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1626	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1627	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1628	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1629	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R1630	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R1631	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R1632	1-216-042-00	METAL GLAZE	510	5%	1/10W	
R1633	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R1634	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R1635	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1636	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1640	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R1641	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1642	1-216-073-00	METAL GLAZE	10K	5%	1/10W	

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• The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1643	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1644	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1645	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R1646	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R1647	1-216-685-11	METAL CHIP	27K	0.50% 1/10W	
R1648	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1649	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1650	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1651	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1652	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1653	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R1654	1-216-681-11	METAL CHIP	18K	0.50% 1/10W	
R1655	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R1656	1-216-643-11	METAL CHIP	470	0.50% 1/10W	
R1657	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R1658	1-216-063-00	METAL GLAZE	3.9K	5% 1/10W	
R1659	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R1660	1-216-649-11	METAL CHIP	820	0.50% 1/10W	
R1661	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
		<VARIABLE RESISTOR>			
RV501	1-238-019-11	RES, ADJ, CARBON 47K			
RV502	1-241-631-11	RES, ADJ, CARBON 22K			
RV503	1-241-763-11	RES, ADJ, CERMET 4.7K			
RV504	1-224-250-XX	RES, ADJ, METAL GLAZE 2.2K			
RV505	1-238-009-11	RES, ADJ, CARBON 220			
RV506	1-241-627-11	RES, ADJ, CARBON 1K			
RV507	1-241-628-11	RES, ADJ, CARBON 2.2K			
RV508	1-241-627-11	RES, ADJ, CARBON 1K			
RV509	1-238-021-11	RES, ADJ, CARBON 220K			
RV511	1-241-629-11	RES, ADJ, CARBON 4.7K			
RV512	1-241-629-11	RES, ADJ, CARBON 4.7K			
RV514	1-238-019-11	RES, ADJ, CARBON 47K			
RV515	1-238-021-11	RES, ADJ, CARBON 220K			
RV516	1-241-763-11	RES, ADJ, CERMET 4.7K			
RV831	1-228-997-00	RES, ADJ, METAL GLAZE 100K			
RV832	1-241-764-11	RES, ADJ, CERMET 10K			
⋈RV833⚠	1-228-996-11	RES, ADJ, METAL GLAZE 47K			
RV1601	1-241-762-11	RES, ADJ, CERMET 2.2K			
RV1602	1-241-627-11	RES, ADJ, CARBON 1K			
⋈RV1603⚠	1-228-996-11	RES, ADJ, METAL GLAZE 47K			
		<RELAY>			
RY1601	1-515-481-21	RELAY (G2R-212P-V)			
		<TRANSFORMER>			
T1601	1-437-216-11	TRANSFORMER, DRIVE			

****

A-1394-343-A S BOARD, COMPLETE
****

<CAPACITOR>

C1101	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C1102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1103	1-124-589-11	ELECT	47MF	20%	16V
C1104	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C1105	1-163-114-00	CERAMIC CHIP	75PF	5%	50V
C1106	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C1107	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1108	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C1109	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C1110	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C1111	1-163-018-00	CERAMIC CHIP	0.0056MF	10%	50V
C1112	1-126-160-11	ELECT	1MF	20%	50V
C1113	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C1114	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C1115	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1116	1-163-114-00	CERAMIC CHIP	75PF	5%	50V
C1117	1-124-589-11	ELECT	47MF	20%	16V
C1118	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1119	1-163-020-00	CERAMIC CHIP	0.0082MF	10%	50V
C1120	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C1121	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C1122	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1123	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C1130	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C1131	1-163-097-00	CERAMIC CHIP	15PF	5%	50V

<CONNECTOR>

CN1101*	1-565-488-11	CONNECTOR, BOARD TO BOARD 12P

<DIODE>

D1101	8-719-404-46	DIODE MA110
D1102	8-719-404-46	DIODE MA110

<IC>

IC1101	8-752-056-67	IC CXA1214P

<COIL>

L1101	1-408-411-00	INDUCTOR	15UH
L1102	1-404-496-00	COIL	
L1103	1-404-496-00	COIL	
L1104	1-408-411-00	INDUCTOR	15UH
L1110	1-412-008-31	INDUCTOR CHIP	15UH
L1111	1-412-008-31	INDUCTOR CHIP	15UH

<TRANSISTOR>

Q1101	8-729-216-22	TRANSISTOR 2SA1162-G
Q1102	8-729-422-27	TRANSISTOR 2SD601A-Q
Q1103	8-729-216-22	TRANSISTOR 2SA1162-G
Q1104	8-729-216-22	TRANSISTOR 2SA1162-G
Q1105	8-729-901-01	TRANSISTOR DTC144EK
Q1106	8-729-901-01	TRANSISTOR DTC144EK
Q1107	8-729-109-44	TRANSISTOR 2SK94
Q1108	8-729-422-27	TRANSISTOR 2SD601A-Q

<RESISTOR>

R1101	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R1102	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R1103	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R1104	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1105	1-216-031-00	METAL GLAZE	180	5%	1/10W
R1106	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R1107	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R1108	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1109	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R1110	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W

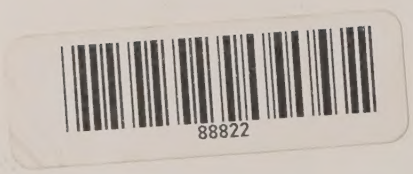
REF.NO.	PART NO.	DESCRIPTION				REMARK
R1111	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1112	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R1113	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R1114	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R1115	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1116	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R1117	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R1118	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1119	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1120	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R1121	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R1122	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R1123	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R1124	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1125	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R1126	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R1127	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R1128	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R1129	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R1131	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1132	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1133	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R1134	1-216-091-00	METAL GLAZE	56K	5%	1/10W	

<VARIABLE RESISTOR>

RV1101	1-241-629-11	RES, ADJ, CARBON 4.7K
RV1102	1-241-628-11	RES, ADJ, CARBON 2.2K

<TRANSFORMER>

T1101	1-404-584-11	COIL



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